Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A carbon fiber-reinforced resin composite material produced by curing a composition comprising

(1) a resin mixture comprising:

(A) an epoxy group-containing vinyl ester resin having, in the molecule, 0.8 to 0.3 equivalent of epoxy group and 0.2 to 0.7 equivalent of an ethylenically unsaturated group,

(B) a radical-polymerizable monomer, and

(C) a curing agent comprising an organic peroxide curing agent and a curing agent for epoxy resin, and

(2)

(D) a carbon fiber in form strand impregnated with a sizing agent for bundling of carbon fiber filaments in an amount of 0.3 to 5% by mass based on the carbon fiber (D), wherein the sizing agent contains (d) a vinyl ester resin, having substantially no epoxy group, in an amount of 30% by mass of more, which is obtained by an addition reaction of an epoxy resin and an ethylenically unsaturated carboxylic acid, wherein the carbon fiber-reinforced resin composite material has a bending strength of 900 Mpa or higher.

2. (Canceled)

3. (Currently Amended) A carbon fiber-reinforced resin composite material according to Claim 12, wherein the curing agent for epoxy resin is an imidazole.

4. (Original) A carbon fiber-reinforced resin composite material according to Claim 1, wherein the ethylenically unsaturated group possessed by the epoxy group-containing vinyl ester resin (A) is an acrylic acid residue or a methacrylic acid residue.

5. (Original) A carbon fiber-reinforced resin composite material according to Claim 1, which has a Tg of 150°C or higher.

6. (Currently Amended) A composition for production of carbon fiber-reinforced resin composite material, comprising

(1) a resin mixture comprising:

(A) an epoxy group-containing vinyl ester resin having, in the molecule, 0.8 to 0.3 equivalent of epoxy group and 0.2 to 0.7 equivalent of an ethylenically unsaturated group,

(B) a radical-polymerizable monomer,

(C) a curing agent comprising an organic peroxide curing agent and a curing agent for epoxy resin, and

(2)

(D) a carbon fiber in a form strand impregnated with a sizing agent for bundling of carbon fiber filaments in an amount of 0.3 to 5% by mass based on the

carbon fiber (D), wherein the sizing agent contains (d) a vinyl ester resin, having substantially no epoxy group, in an amount of 30% by mass of more, which is obtained by an addition reaction of an epoxy resin and an ethylenically unsaturated carboxylic acid, wherein the carbon fiber-reinforced resin composite material has a bending strength of 900 Mpa or higher.

7. (Canceled)

8. (Original) A composition for production of carbon fiber-reinforced resin composite material according to Claim 6, wherein the curing agent for epoxy resin is an imidazole.

9. (Original) A composition for production of carbon fiber-reinforced resin composite material according to Claim 6, wherein the ethylenically unsaturated group possessed by the epoxy group-containing vinyl ester resin (A) is an acrylic acid residue or a methacrylic acid residue.

10. (Original) A composition for production of carbon fiber-reinforced resin composite material according to Claim 6, which comprises:

the epoxy group-containing vinyl ester resin (A) in an amount of 100 parts by mass,

the radical-polymerizable monomer (B) in an amount of 10 to 50 parts by mass,

the organic peroxide contained in the curing agent (C), in an amount of 0.1 to 5

parts by mass relative to 100 parts by mass of the total of the components (A) and (B),

the curing agent for epoxy resin contained in the curing agent (C), in an amount of 0.1 to 5 parts by mass relative to 100 parts by mass of the total of the components (A) and (B),

the sizing agent in an amount of 0.3 to 5% by mass based on the carbon fiber (D) impregnated with the sizing agent, and

the carbon fiber (D) in an amount of 50 to 80% by mass based on the total mass of the composition for production of carbon fiber-reinforced resin composite material.

11. (Currently Amended) A process for producing a carbon fiber-reinforced resin composite material, which comprises impregnating (D) a carbon fiber impregnated with 0.3 to 5% by mass of a sizing agent, containing (d) a vinyl ester, having substantially no epoxy group, in an amount of 30% by mass or more, which is obtained by an addition reaction of an epoxy resin and an ethylenically unsaturated carboxylic acid, with a resin mixture of (A) an epoxy group-containing vinyl ester resin having, in the molecule, 0.8 to 0.3 equivalent of epoxy group and 0.2 to 0.7 equivalent of an ethylenically unsaturated group, (B) a radical-polymerizable monomer and (C) a curing agent comprising an organic peroxide curing agent and a curing agent for epoxy resin, wherein the carbon fiber-reinforced resin composite material has a bending strength of 900 Mpa or higher.

12. (Currently Amended) A process for producing a pultrusion product, which comprises impregnating (D) a carbon fiber impregnated with 0.3 to 5% by mass of a sizing agent, containing (d) a vinyl ester, having substantially no epoxy group, in an

amount of 30% by mass or more, which is obtained by an addition reaction of an epoxy resin and an ethylenically unsaturated carboxylic acid, with a resin mixture of (A) an epoxy group-containing vinyl ester resin having, in the molecule, 0.8 to 0.3 equivalent of epoxy group and 0.2 to 0.7 equivalent of an ethylenically unsaturated group, (B) a radical-polymerizable monomer and (C) a curing agent comprising an organic peroxide curing agent and a curing agent for epoxy resin, to obtain a composition for production of carbon fiber-reinforced resin composite material and then subjecting the composition for production of carbon fiber-reinforced resin composite material to pultrusion, wherein the carbon fiber-reinforced resin composite material has a bending strength of 900 Mpa or higher.